

## Special Issue

# Thermal Management in Energy Systems

### Message from the Guest Editor

Thermal management in energy systems provides performance enhancement and reliable operating conditions during the lifespan of energy-related products, for which many applications are possible in diverse systems, including photovoltaic panels, hydrogen storage, lithium-ion battery systems, thermal energy storage, and micro-electro-mechanical systems (MEMs) in addition to numerous convective heat transfer applications. Active, passive, and hybrid methods have been considered for thermal management in renewable and nonrenewable energy systems. In one of the available methods, nano-sized particles are used in heat transfer fluids, and this nanofluid technology has been successfully implemented for thermal management of diverse energy systems, including solar power, thermoelectric power generation, refrigeration, jet impingement heat transfer, and electronic cooling applications.

The present Special Issue will focus on the application of various thermal management methods in diverse energy systems and present the most recent methods and advanced simulation tools. It is envisaged that this Special Issue will serve as an invaluable reference for researchers and engineers.

---

### Guest Editor

Prof. Dr. Fatih Selimefendigil  
Department of Mechanical Engineering, Manisa Celal Bayar University,  
Manisa 45140, Turkey

---

### Deadline for manuscript submissions

closed (30 April 2022)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.9



[mdpi.com/si/82870](https://mdpi.com/si/82870)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.9



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

---

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)